

CLAIMS

1. (currently amended) A device for purification of air comprising
 - a metal plate
 - electrical connections connected to the metal plate in order to impress a voltage on the metal plate,
 - ~~characterised in that it also comprises~~ the device further comprising
 - a heating element for heating the metal plate, and
 - a nozzle connected to a water supply in order to spray the metal plate with water.
2. (currently amended) A device as in claim 1,
~~characterised in that~~ wherein the heating element is comprised of an electrical resistor and produces an output of 700W.
3. (currently amended) A device as in claim 1,
~~characterised in that~~ wherein the metal plate reaches a temperature of approximately 500°C.
4. (currently amended) A device as in claim 1,
~~characterised in that it also comprises~~ further comprising a metallic cylinder, a fan disposed at one end of the cylinder and a restriction disposed at the other end of the cylinder.
5. (currently amended) A device as in any one of claims 1-4,
~~characterised in that it also comprises~~ further comprising current conducting coils in order to provide an electromagnetic field, where the centre of the electromagnetic field around the coils coincides with the location of the device's other units.
6. (currently amended) A device as in claim 5,
~~characterised in that~~ wherein the coils are electrically connected in series to the heating element.
7. (currently amended) A device as in claim 6 ~~one of the preceding claims~~,
~~characterised in that~~ wherein the metal plate is made of beryllium bronze.
8. (currently amended) A device as in claim 6 ~~one of the preceding claims~~,
~~characterised in that~~ wherein the metal plate is made of copper (Cu).

9. (currently amended) A device as in claim 6 ~~one of the preceding claims,~~
~~characterised in that it also comprises~~ further comprising a suction unit for removing the
vapour produced when the water from the nozzle strikes the hot metal plate.